CLAIMS ONLY

SERIAL NO. FILING DATE

APPLICANT(S)

CLAIMS

| | | | AS FILED | | | | | 181 | AFTER 1st AMENDMENT | | | | AFTER 2nd AMENDMEN | | | |
|-----|---------------|---------------|----------------|------------|-----------|----------|----------|----------------|---------------------|----------|----------|--------------|-----------------------|-------------|----|--|
| | | | IN |). | Ι | DE | P. | IN | | DE | | IND | | DEP | | |
| | 1 | | | | I | _ | | | | | | - | _ | | ᅱ | |
| i | 2 | | | | | Ι | | | | | | | _ | | ᅱ | |
| | 3 | | | | L | | | Ŀ | | | | | | | ᅦ | |
| ļ | 4 | | L | | L | \perp | | | | | | | | | | |
| ŀ | 5 | | <u> </u> | | Ļ | 4 | | <u> </u> | | | | | | | ٦ | |
| ŀ | 6 | | Ĺ | | L | 1 | | <u> </u> | | | | | | | | |
| ŀ | 7 | | | | | 4 | | <u> </u> | | <u> </u> | | | | | | |
| ŀ | | | | | - | + | | ├ — | | | | | | | ╛ | |
| ŀ | 10 | | | _ | - | ╀ | | - | | | _ | | 4 | | 4 | |
| ŀ | 11 | _ | | | Ļ. | + | | - | | <u> </u> | | | _ | | 4 | |
| ŀ | 12 | _ | | | _ | ┵ | _ | ├ | | | - | | 4 | | 4 | |
| ŀ | 13 | - | | - | | - | _ | <u> </u> | - | | -+ | | + | | 4 | |
| r | 14 | \rightarrow | | - | _ | H | - | | - | | + | | 4 | | 4 | |
| ۲ | 15 | \neg | 1 | - | | <u>-</u> | - | | ᅱ | | \dashv | | + | | 4 | |
| r | 16 | \dashv | -+ | 7 | ٦ | _ | | | - | · · | -+ | | + | | - | |
| r | 17 | ヿ | | 7 | 7 | _ | ᅥ | | + | | ┰ | | + | | 4 | |
| Γ | 18 | 7 | | 寸 | 7 | _ | 7 | | + | | + | | + | | - | |
| | 19 | | | 1 | | | 7 | | 7 | | _ | | + | | ┨ | |
| | 20 | \Box | | | | _ | | | 7 | | + | | ╁ | | ┨ | |
| _ | 21 | Ι | | | | | | | 7 | | 十 | | 十 | | 1 | |
| | 22 | \perp | | \Box | | | \Box | | ٦ | - | \top | | + | | 1 | |
| _ | 23 | _ | | \perp | \rfloor | | | | | | | | 1 | | 1 | |
| | 24 | _ _ | | 1 | ┙ | | | | | | T | | T | | 1 | |
| _ | 25 | 4 | | 4 | | | 4 | | I | | | | | | 1 | |
| _ | 26 | 4 | | 4 | 4 | | 4 | | \perp | | \perp | | Τ | | 1 | |
| _ | 27 | 4 | | 4 | 4 | _ | 4 | | 1 | | 1 | | Ι | | 1 | |
| - | 28 29 | | | + | _ | | 4 | | 4 | | 4 | | | | | |
| _ | 30 | + | | + | + | | + | | 4 | | ╀ | | L | | ١. | |
| _ | 31 | + | | + | + | _ | + | | + | | 4 | | 1 | | į | |
| - | 32 | ╅ | | ┿ | + | | ╁ | | + | | + | | \vdash | | | |
| _ | 33 | + | | + | + | | ╁ | | ╁ | | ╁ | | + | | | |
| - | 34 | ╁ | | + | + | - | ╁ | | ╁ | | ╫ | | ┞ | | | |
| | 35 | T | | + | + | — | + | | + | - | ╁ | | \vdash | | | |
| _ | 36 | + | | 十 | + | | + | | ┿ | | ╁╌ | | ⊬ | | | |
| _ | 37 | 1 | | T | 1 | | t | | ÷ | | ╁ | | - | | | |
| _ | 38 | Ι | \overline{L} | 1 | | | T | | + | | + | | - | | | |
| _ | 39 | I | | | | | Γ | | T | | 1 | | | | | |
| | 40 | \perp | Ī | | | | Γ | | Τ | | T | | Г | $\neg \neg$ | | |
| _ | 41 | \perp | ` _ | | Ĺ | | Γ | | Γ | | Γ | | | $\neg \neg$ | | |
| _ | 12 | 1 | | L | | | L | | Γ | | | | | | | |
| - | 13 | 1 | | L | L | | L | | | | | | _ | | | |
| _ | 14 | ļ | | L | | | L | | | | | | | \neg | | |
| _ | 15 | ⊢ | | <u>_</u> | 1 | _ | L | | L | | | | | | | |
| _ | 16 | - | | <u> </u> | 1 | | L | | L | | | | | | | |
| - | 8 | \vdash | | <u> </u> _ | | _ | L | | L | | <u> </u> | \Box | | | | |
| _ | 9 | | | <u> </u> | | | L | | | | L | [| | | | |
| _ | 0 | - | | | _ | | \vdash | | ├- | | _ | | _ | | | |
| 0 | TAL | 1 | , | | _ | - | _ | | - | | <u> </u> | | | | | |
| in | D. | Ş | | | î | ļ | | | | 1 | | | | | | |
| ĎĮ. | AL P. | 38 | | _ | • | _ | | | • | | | | - | | | |
| Ů, | TAL | ü | Ч | Ų. | ٠. | | | | | 7 1g | | | pe | | | |
| _ | | | , | | | _ | _ | | , | Ac.A. | | 100 | K of the | in north al | | |

| <u>s</u> | | | | _ | | | | | | | | | |
|----------|-----------|--------------|--------------|----------|----------|----------|--|--------------|-------|----------|-------------|------------|--------|
| | | | * | | | | * | | | _ | * | | |
| | | | INI |). | DE | P. | IN |) . | DE | P. | IN | D. | DEP. |
| | 5 | 1 | | | | | | | | | | _ | |
| 1 | 5 | | | | | | | | | _ | | - | |
| - | 5 | | | | | | | | | | | \exists | |
| - | 54 | ļ | | _4 | | | | | | | | \neg | |
| - | 55 | _ | | _ | | | | | | _ | | 丁 | |
| ļ | 56 | | | _ | | _ | | | | | | \neg | |
| ŀ | 57 | | | | | _ | | | | | | | |
| ŀ | _ 58 | | | | | _ | | | | | | | |
| ŀ | 59 | _ | | - | | _ | | | | | | \Box | |
| ŀ | 60 | | | 4 | | | | | | | | | |
| H | 61 | _ | | \dashv | | - | | _ | | | | | |
| H | 62 | | | + | | - | | | | 4 | | | |
| ┝ | 63 64 | | | - | | 4 | | _ | | 4 | | \perp | |
| ⊦ | | + | | + | | + | | 4 | | 4 | | \perp | |
| H | 65 | + | | + | | + | | 4 | | 4 | | 4 | |
| ┝ | 66 67 | + | | + | | + | | 4 | | 4 | | _ | |
| ┝ | 68 | - | | + | | + | | 4 | | 4 | | \perp | |
| - | 69 | + | | + | | + | | 4 | | 4 | | 4 | |
| H | 70 | + | | + | | + | | + | | 4 | | | |
| - | 71 | + | | + | | + | | + | | + | | _ | |
| - | 72 | | | ╁ | | ┿ | | + | | 4 | | 4 | |
| _ | 73 | + | | ╁ | | + | | + | | + | | + | |
| _ | 74 | + | | + | | + | | + | | + | | + | |
| _ | 75 | 十 | | + | | + | | + | | + | | +- | |
| _ | 76 | + | | + | | + | | + | | + | | +- | |
| _ | 77 | 1 | | ╅ | | +- | | ┿ | — | + | | + | |
| _ | 78 | 十 | | + | | + | | ┿ | | ┿ | | + | |
| _ | 79 | 十 | | + | | + | | + | | + | | +- | |
| | 80 | | | 1 | | ╁ | - + | ┿ | | ╁ | | + | |
| | 81 | 1 | | 1 | | + | | + | | ┿ | | +- | |
| | 82 | T | | 1 | | 十 | | 十 | | ╅╴ | | ╁ | |
| | 83 | Т | | \top | | 1 | - (| + | | + | | +- | |
| | 84 | \mathbf{L} | | T | | \top | -! | † | | + | | + | |
| _ | 85 | Ι | | | | 1 | | 1 | | T | | 1. | _ |
| _ | 86 | | | | | Τ | | T | | \top | | + | |
| | 87 | 1 | | | | | | Τ | | T | | + | \neg |
| _ | 88 | ↓_ | | | | 匚 | | I | | | | | \neg |
| _ | 89 | ╙ | | _ | | L | | | | | i | | |
| | 90 | ╀_ | | L_ | | L | | L | | | | | |
| | 91 | ┞ | | <u> </u> | | _ | | L | | | | | |
| _ | 92 | ├_ | | _ | | <u> </u> | | L | | | | | |
| _ | 93 | ┞ | | <u> </u> | | _ | | L | | L | | | |
| _ | 5 | - | | <u> </u> | | L_ | | L | | L | | | |
| - | _ | - | | | | <u> </u> | | L | | _ | | L | |
| |)6 7 | \vdash | | | | <u> </u> | <u>. </u> | L. | | <u> </u> | | | |
| _ | 8 | ⊢ | | | | _ | | _ | | <u> </u> | | | |
| | 9 | - | \ | | | | | | | <u> </u> | | | _ |
| 10 | | | - | | \dashv | | | | | <u> </u> | | | |
| 01 | AL | | | | | | $\dot{-}$ | _ | | | | | _ |
| INI | D. | | | 4 | | | لا | | Į. | _ | | _1 | . |
| DE | AL P. | | | | | | | - | | , | | (m) | |
| ΟÍ | AL IMS | | | · · | | | | | 7 : 1 | | _ | " | |

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office